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**FAX TRANSMISSION COVER SHEET****Date:** 05/09/05**To:** TC 1637  
US Patent and Trademark Office**Fax:** 571-273-8300**From:** Kenneth K. Sharples  
LC/IP**Phone:** (505) 667-0304**Fax:** (505) 665-4424**Re:** 10/656,358  
S-100,543  
Donna L. Robinson**Sender:** Ken Sharples

**YOU SHOULD RECEIVE ( 11 ) PAGES, INCLUDING THIS COVER SHEET.  
IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL Ken at (505) 667-0304.**

**Comments:**

**Included in this facsimile transmittal are the following documents for filing in the above-identified patent application:**

- 1. Response to Office Action dated 11/09/2004;**
- 2. Fee Transmittal for a 3-month Extension of Time.**




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**UNCLASSIFIED**

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Rev. 12/09/04

<b>FEE TRANSMITTAL</b> For FY 2005 <small>Patent fees are subject to annual revision</small>				Complete If Known																																																																																																																																																																																									
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				Application Number: 10/658,358																																																																																																																																																																																									
<b>TOTAL AMOUNT OF PAYMENT: \$510.00</b>				Filing Date: 9/4/2003																																																																																																																																																																																									
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METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																																																									
1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17				<b>3. ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee Code</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051 \$130</td> <td>2051 \$65</td> <td></td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052 \$50</td> <td>2052 \$25</td> <td></td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1812 \$2520</td> <td>1812 \$2520</td> <td></td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1251 \$120</td> <td>2251 \$60</td> <td></td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 \$450</td> <td>2252 \$225</td> <td></td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 \$1020</td> <td>2253 \$510</td> <td></td> <td>Extension for reply within third month</td> <td>510.00</td> </tr> <tr> <td>1254 \$1680</td> <td>2254 \$795</td> <td></td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 \$2160</td> <td>2255 \$1080</td> <td></td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401 \$500</td> <td>2401 \$250</td> <td></td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402 \$500</td> <td>2402 \$250</td> <td></td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 \$1000</td> <td>2403 \$500</td> <td></td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1452 \$500</td> <td>2452 \$250</td> <td></td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1814 \$110</td> <td>2814 \$55</td> <td></td> <td>Terminal Disclaimer</td> <td></td> </tr> <tr> <td>1453 \$1500</td> <td>2453 \$750</td> <td></td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1460 \$130</td> <td>1460 \$130</td> <td></td> <td>Petitions to the Director</td> <td></td> </tr> <tr> <td>1808 \$180</td> <td>1808 \$180</td> <td></td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>1809 \$790</td> <td>2809 \$395</td> <td></td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> <td></td> </tr> <tr> <td>1810 \$790</td> <td>2810 \$395</td> <td></td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1811 \$100</td> <td>1811 \$100</td> <td></td> <td>Certificate of Correction</td> <td></td> </tr> <tr> <td>1504 \$300</td> <td>1504 \$300</td> <td></td> <td>Publication fee for early, voluntary, or normal publication/Republication fee</td> <td></td> </tr> <tr> <td>1801 \$780</td> <td>2801 \$395</td> <td></td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td colspan="4" style="padding: 5px;">Other fee (specify) _____</td> <td colspan="2"></td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;"><b>SUBTOTAL (3)</b></td> <td colspan="2" style="text-align: right; padding: 5px;"><b>\$510.00</b></td> </tr> <tr> <td colspan="4" style="padding: 5px;">Reduced by Basic Filing Fee Paid</td> <td colspan="2"></td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;"><b>SUBTOTAL FROM 1</b></td> <td colspan="2" style="text-align: right; padding: 5px;">\$</td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;"><b>SUBTOTAL FROM 2</b></td> <td colspan="2" style="text-align: right; padding: 5px;">\$</td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;"><b>SUBTOTAL FROM 3</b></td> <td colspan="2" style="text-align: right; padding: 5px;"><b>\$510.00</b></td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;"><b>TOTAL AMOUNT OF PAYMENT</b></td> <td colspan="2" style="text-align: right; padding: 5px;"><b>\$510.00</b></td> </tr> <tr> <td colspan="4" style="padding: 5px;">(Enter total amount at top of page)</td> <td colspan="2"></td> </tr> <tr> <th colspan="4" style="text-align: center; padding: 5px;">SUBMITTED BY</th> <th colspan="4" style="text-align: center; padding: 5px;">Complete (if applicable)</th> </tr> <tr> <td colspan="4" style="padding: 5px;">Printed Name: Mark N. Fitzgerald</td> <td colspan="4" style="padding: 5px;">Reg. No. 48,300</td> </tr> <tr> <td colspan="4" style="padding: 5px;">Signature: </td> <td colspan="4" style="padding: 5px;">Date: 05/09/2005 Telephone: (505) 665-5187</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Code	Fee Description	Fee Paid	1051 \$130	2051 \$65		Surcharge - late filing fee or oath		1052 \$50	2052 \$25		Surcharge - late provisional filing fee or cover sheet		1812 \$2520	1812 \$2520		For filing a request for reexamination		1251 \$120	2251 \$60		Extension for reply within first month		1252 \$450	2252 \$225		Extension for reply within second month		1253 \$1020	2253 \$510		Extension for reply within third month	510.00	1254 \$1680	2254 \$795		Extension for reply within fourth month		1255 \$2160	2255 \$1080		Extension for reply within fifth month		1401 \$500	2401 \$250		Notice of Appeal		1402 \$500	2402 \$250		Filing a brief in support of an appeal		1403 \$1000	2403 \$500		Request for oral hearing		1452 \$500	2452 \$250		Petition to revive - unavoidable		1814 \$110	2814 \$55		Terminal Disclaimer		1453 \$1500	2453 \$750		Petition to revive - unintentional		1460 \$130	1460 \$130		Petitions to the Director		1808 \$180	1808 \$180		Submission of Information Disclosure Statement		1809 \$790	2809 \$395		Filing a submission after final rejection (37 CFR 1.129 (a))		1810 \$790	2810 \$395		For each additional invention to be examined (37 CFR 1.129(b))		1811 \$100	1811 \$100		Certificate of Correction		1504 \$300	1504 \$300		Publication fee for early, voluntary, or normal publication/Republication fee		1801 \$780	2801 \$395		Request for Continued Examination (RCE)		Other fee (specify) _____						<b>SUBTOTAL (3)</b>				<b>\$510.00</b>		Reduced by Basic Filing Fee Paid						<b>SUBTOTAL FROM 1</b>				\$		<b>SUBTOTAL FROM 2</b>				\$		<b>SUBTOTAL FROM 3</b>				<b>\$510.00</b>		<b>TOTAL AMOUNT OF PAYMENT</b>				<b>\$510.00</b>		(Enter total amount at top of page)						SUBMITTED BY				Complete (if applicable)				Printed Name: Mark N. 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SN 10/656,358  
ATTY DOCKET NO. S-100,543

MAY 09 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Donna L. Robinson                      Docket No.: S-100,543  
Serial No.: 10/656,358                      Examiner: N. J. Panaro  
Filed : 9/4/2003                      Art Unit: 1637  
For : IMPROVED METHODS FOR SEQUENCING GC-RICH AND CCT  
REPEAT DNA TEMPLATES

Customer No. 35068

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT/RESPONSE

Sir:

In response to the Office Action dated 11/29/2004, please enter the following amendments to the Specification and Claims, and consider the accompanying remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 4 of this paper.

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CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

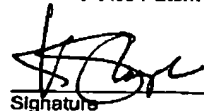
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Signature

Date \_\_\_\_\_

Kenneth Sharples  
(type or print name of person certifying)

05/11/2005 AWONDAF1 00000071 122150 10656358

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